

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

531 Rec'd PCT/PTC 14 DEC 2001

Re: International Application PCT/DE00/01901
 Filed June 16, 2000
 Title Safety-related automation bus system
 Applicant Meyer-Grafe
 Attorney Docket (H)01PH0419USP

Box PCT
 Commissioner for Patents
 Washington, DC 20231

Preliminary Amendment

Dear Sir or Madam:

Please amend the above-identified application as follows:

In the Specification: A substitute specification and "Version with Markings to show Changes Made" is included herewith.

In the Claims:

Please cancel claims 1-31 of the Annexes and substitute the following new claims 32-66.

32. An automation system (1), comprising at least
- a bus (2),
- I/O bus subscribers (31-38) connected to the bus (2),
- a standard control device (4; 40, 41),
- at least one safety analyzer (5, 5', 5'') which monitors data flow via the bus system and is designed to carry out at least one safety-related function,
- wherein the safety analyzer is at least one of set up for checking and processing safety-related data in a bus datastream and having a device for manipulating the datastream transmitted on the bus (2).